

ABSTRACT

A device for delivering fluid to a patient, including an exit port assembly adapted to connect to a transcutaneous patient access tool, a reservoir including a side wall extending towards an outlet connected to the exit port assembly, at least one threaded lead screw received in the reservoir and extending towards the outlet of the reservoir generally parallel with the side wall, and a plunger threadedly received on the lead screw such that rotating one of the lead screw and the plunger moves the plunger within the reservoir. The device also includes a dispenser operatively coupled to one of the lead screw and the plunger for rotating one of the lead screw and the plunger. The lead screw driven plunger reduces the size, complexity and costs of the device so that the device lends itself to being small and disposable in nature.